

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method to control a transmission system comprising at least one transmitter and at least one receiver, the method comprising the steps of:

transmitting a signal wirelessly through an information channel, ~~the signal being modulated in at least one of amplitude, frequency and phase;~~

transmitting an identification code and configuration parameters wirelessly through a control channel independent of the signal transmitted through the information channel, the identification code being assigned to the at least one receiver; and

in response to receiving the identification code by the at least one receiver, implementing adjustments in the at least one receiver according to configuration parameters to enable demodulation of the signal transmitted through the cause the at least one receiver to tune to the information channel.

Claim 2 (canceled)

Claim 3 (previously presented): Method as claimed in one of the above claims, wherein the receiver is programmed by a configuration unit, and wherein programming data for programming the configuration unit is transmitted through the control channel.

Claim 4 (previously presented): Method as claimed in claim 3, wherein information is transmitted from the receiver through the control channel to the configuration unit.

Claim 5 (previously presented): Method as claimed in claim 2, wherein one or more identification codes are addressed to a plurality of receivers.

Claim 6 (previously presented): Method as claimed in claim 1, wherein the demodulation of the signal based on the configuration parameters is carried out using a generated frequency to produce at least one demodulated signal, and wherein the at least one demodulated signal is fed to another processing unit of at least one of a hearing aid and an electro-acoustic transducer.

Claim 7 (previously presented): Method as claimed in claim 1, wherein a total transfer function resulting from the transmitter and the receiver is modified in the receiver by transmitting transfer-function parameters of the transmitter through the control channel to the receiver, said transfer-function parameters comprising amplification and frequency of transmission, and wherein the transfer function of the receiver is modified in relation to a desired total transfer function.

Claim 8 (previously presented): Method as claimed in claim 1, wherein an antenna receiving the modulated signal is tuned to a particular transmission frequency.

Claim 9 (previously presented): Method as claimed in claim 1, wherein the transmission through the control channel is carried out using FSK (frequency shift keying) modulation.

Claim 10 (previously presented): Method as claimed in claim 1, wherein audio signals are transmitted from the transmitter to the at least one receiver, wherein the at least one receiver is connected to at least one of a hearing aid and an electro-acoustic transducer.

Claim 11 (currently amended): A wireless transmission system comprising:

a hearing device including a receiver comprising an antenna;

at least one transmitter;

a signal which is modulated in at least one of amplitude, frequency and phase, the signal being transmitted wirelessly through an information channel from one of the at least one transmitters to the receiver;

means for generating and transmitting configuration parameters ~~for enabling demodulation of the signal~~, and the configuration parameters being transmitted independent of the signal and wirelessly through a control channel independent of the information channel; and

means for receiving and processing the configuration parameters, said means being provided in the receiver.

Claim 12 (previously presented): Transmission system as claimed in claim 11, wherein the means for generating and transmitting the configuration parameters are provided in at least one of a remote control, a transmitter, a control unit connected to a loop antenna and a configuration unit.

Claim 13 (previously presented): Transmission system as claimed in claim 11, wherein the receiver is connected to at least one of a hearing aid and an electro-acoustic transducer.

Claim 14 (currently amended): A receiving device comprising:

a receiver for wirelessly receiving signals which are modulated in at least one of frequency and phase, the signals being received at an antenna connected through a filter-amplifier unit and a consecutive mixer to a demodulator to generate demodulated signals based on configuration parameters that include an identification code assigned to the receiver, the mixer being loaded with an output signal from a synthesizer which is controlled by a control unit;~~and~~

transceiving means for wirelessly receiving the configuration parameters independent of a signal received by the receiver, the transceiving means being connected to the control unit.

Claim 15 (previously presented): A device as claimed in claim 14, wherein the transceiving means comprises a transceiver, a transceiving coil and a capacitor to adjust the transceiving coil.

Claim 16 (previously presented): A device as claimed in claim 14, further comprising an integrated circuit on a CMOS chip, the integrated circuit comprising the filter-amplifier unit, the mixer, the demodulator, the synthesizer and the control unit.

Claim 17 (previously presented): A device as claimed in claim 14, further comprising a hearing aid comprising the receiver.

Claim 18 (previously presented): A method as claimed in claim 1, wherein the control channel is separate from the information channel.

Claim 19 (previously presented): A method as claimed in claim 1, wherein the control channel has a carrier frequency different from a carrier frequency of the information channel.

Claim 20 (previously presented): A method as claimed in claim 19, wherein the configuration parameters comprise an identification of the carrier frequency of the information channel.